



e-CHECK™ (XE)

HEMATOLOGY CONTROL FOR SYSMEX XE-5000™ and XE-2100™ ANALYZERS

OPEN MODE ASSAY

Expiration Date:		2020-04-13		Quality Control Data Due Date #1: 02-Mar-20		Quality Control Data Due Date #2: 13-Apr-20	
Lot Number:		00230810		00230811		00230812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.32	2.23 - 2.41	4.41	4.28 - 4.54	5.34	5.18 - 5.50	
HGB (g/dL)	5.7	5.5 - 5.9	12.1	11.7 - 12.5	16.4	15.9 - 16.9	
HCT (%)	17.4	16.4 - 18.4	35.7	33.9 - 37.5	46.9	44.6 - 49.2	
MCV (fL)	75.0	70.5 - 79.5	81.0	76.1 - 85.9	87.8	83.4 - 92.2	
MCH (pg)	24.6	23.4 - 25.8	27.4	26.3 - 28.5	30.7	29.5 - 31.9	
MCHC (g/dL)	32.8	30.2 - 35.4	33.9	31.5 - 36.3	35.0	32.6 - 37.5	
PLT (10 ⁹ /L)	60	46 - 74	229	206 - 252	550	506 - 594	
RDW-SD (fL)	46.7	42.5 - 50.9	45.9	41.8 - 50.0	45.8	41.7 - 49.9	
RDW-CV (%)	17.0	15.6 - 18.4	15.7	14.8 - 16.6	14.6	13.7 - 15.5	
MPV (fL)	9.3	8.1 - 10.5	9.6	8.8 - 10.4	9.8	9.1 - 10.5	
WBC (10 ⁹ /L)	3.00	2.64 - 3.36	7.15	6.51 - 7.79	17.99	16.55 - 19.43	
WBC-D (10 ⁹ /L)	2.80	2.46 - 3.14	6.55	5.96 - 7.14	16.61	15.12 - 18.10	
NEUT%	42.4	36.5 - 48.3	46.8	42.1 - 51.5	50.5	45.5 - 55.6	
LYMPH%	38.8	31.8 - 45.8	32.9	28.0 - 37.8	29.6	25.2 - 34.0	
MONO%	9.4	4.3 - 14.5	9.7	5.9 - 13.5	9.1	5.6 - 12.6	
EO%	8.9	5.5 - 12.3	10.2	6.4 - 14.0	10.7	6.8 - 14.6	
BASO%	60.0	53.4 - 66.6	65.5	60.9 - 70.1	68.8	66.0 - 71.6	
NEUT# (10 ⁹ /L)	1.27	1.02 - 1.52	3.35	2.85 - 3.85	9.09	7.91 - 10.27	
LYMPH# (10 ⁹ /L)	1.16	0.89 - 1.43	2.36	1.91 - 2.81	5.32	4.42 - 6.22	
MONO# (10 ⁹ /L)	0.28	0.12 - 0.44	0.69	0.40 - 0.98	1.63	0.98 - 2.28	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.73	0.45 - 1.01	1.93	1.22 - 2.64	
BASO# (10 ⁹ /L)	1.80	1.48 - 2.12	4.68	4.07 - 5.29	12.37	11.13 - 13.61	
NRBC# (10 ⁹ /L)	0.17	0.07 - 0.27	0.44	0.29 - 0.59	1.13	0.88 - 1.38	
NRBC% (/100 WBC)	5.8	2.6 - 9.0	6.5	4.4 - 8.6	6.7	5.3 - 8.1	
PLT-O (10 ⁹ /L)	62	41 - 83	224	186 - 262	542	461 - 623	
RET# (10 ¹² /L)	0.1340	0.0925 - 0.1755	0.1036	0.0725 - 0.1347	0.0496	0.0357 - 0.0635	
RET%	5.79	4.17 - 7.41	2.35	1.72 - 2.98	0.93	0.60 - 1.26	
IRF (%)	33.5	5.7 - 61.3	28.0	2.2 - 53.8	20.2	1.0 - 39.4	
IG (#)	0.30	0.23 - 0.38	0.79	0.62 - 0.96	2.10	1.68 - 2.52	
IG (%)	10.0	7.9 - 12.1	11.1	9.0 - 13.2	11.7	9.5 - 13.9	
HPC (#)	0.012	0.008 - 0.016	0.028	0.021 - 0.035	0.086	0.065 - 0.108	
RET-He (pg)	23.4	20.1 - 26.7	24.3	20.9 - 27.7	26.2	22.0 - 30.4	
IPF (%)	21.5	17.4 - 25.6	21.6	17.5 - 25.7	21.4	17.3 - 25.5	

*Not all parameters are available on all analyzer models

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e-CHECK™ (XE)

HEMATOLOGY CONTROL FOR SYSMEX XE-5000™ and XE-2100™ ANALYZERS

CLOSED MODE ASSAY

Expiration Date:		2020-04-13		Quality Control Data Due Date #1: 02-Mar-20		Quality Control Data Due Date #2: 13-Apr-20	
Lot Number:		00230810		00230811		00230812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.32	2.23 - 2.41	4.41	4.28 - 4.54	5.26	5.10 - 5.42	
HGB (g/dL)	5.7	5.5 - 6.0	12.0	11.7 - 12.4	16.2	15.7 - 16.7	
HCT (%)	17.4	16.4 - 18.4	35.7	33.9 - 37.5	46.9	44.6 - 49.2	
MCV (fL)	75.0	70.5 - 79.5	81.0	76.1 - 85.9	89.2	84.7 - 93.7	
MCH (pg)	24.7	23.5 - 25.9	27.3	26.2 - 28.4	30.9	29.7 - 32.1	
MCHC (g/dL)	32.9	30.3 - 35.5	33.7	31.3 - 36.1	34.6	32.2 - 37.0	
PLT (10 ⁹ /L)	60	46 - 74	224	202 - 246	512	471 - 552	
RDW-SD (fL)	46.7	42.5 - 50.9	45.9	41.8 - 50.0	45.8	41.7 - 49.9	
RDW-CV (%)	17.0	15.6 - 18.4	15.7	14.8 - 16.6	14.6	13.7 - 15.5	
MPV (fL)	9.3	8.1 - 10.5	9.6	8.8 - 10.4	9.8	9.1 - 10.5	
WBC (10 ⁹ /L)	2.91	2.56 - 3.26	6.72	6.12 - 7.32	17.45	16.05 - 18.85	
WBC-D (10 ⁹ /L)	2.72	2.39 - 3.05	6.35	5.78 - 6.92	15.61	14.21 - 17.02	
NEUT%	43.0	37.0 - 49.0	46.9	42.2 - 51.6	50.0	45.0 - 55.0	
LYMPH%	38.5	31.6 - 45.4	33.2	28.2 - 38.2	29.6	25.2 - 34.0	
MONO%	9.6	4.4 - 14.8	9.5	5.8 - 13.2	9.3	5.7 - 12.9	
EO%	8.9	5.5 - 12.3	10.4	6.6 - 14.2	11.1	7.1 - 15.1	
BASO%	60.5	53.8 - 67.2	66.2	61.6 - 70.8	69.5	66.7 - 72.3	
NEUT# (10 ⁹ /L)	1.25	1.00 - 1.50	3.15	2.68 - 3.62	8.73	7.60 - 9.86	
LYMPH# (10 ⁹ /L)	1.12	0.86 - 1.38	2.23	1.81 - 2.65	5.16	4.28 - 6.04	
MONO# (10 ⁹ /L)	0.28	0.12 - 0.44	0.64	0.37 - 0.91	1.63	0.98 - 2.28	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.70	0.43 - 0.97	1.93	1.22 - 2.64	
BASO# (10 ⁹ /L)	1.76	1.44 - 2.08	4.45	3.87 - 5.03	12.12	10.91 - 13.33	
NRBC# (10 ⁹ /L)	0.16	0.07 - 0.25	0.42	0.28 - 0.56	1.12	0.87 - 1.36	
NRBC% (/100 WBC)	5.8	2.6 - 9.0	6.5	4.4 - 8.6	6.7	5.3 - 8.1	
PLT-O (10 ⁹ /L)	62	41 - 83	224	186 - 262	526	447 - 605	
RET# (10 ¹² /L)	0.1340	0.0925 - 0.1755	0.1036	0.0725 - 0.1347	0.0496	0.0357 - 0.0635	
RET%	5.79	4.17 - 7.41	2.35	1.72 - 2.98	0.93	0.60 - 1.26	
IRF (%)	33.5	5.7 - 61.3	28.0	2.2 - 53.8	20.2	1.0 - 39.4	
IG (#)	0.29	0.22 - 0.36	0.79	0.62 - 0.96	2.10	1.68 - 2.52	
IG (%)	10.0	7.9 - 12.1	11.1	9.0 - 13.2	11.7	9.5 - 13.9	
HPC (#)	0.012	0.008 - 0.016	0.028	0.021 - 0.035	0.086	0.065 - 0.108	
RET-He (pg)	23.4	20.1 - 26.7	24.3	20.9 - 27.7	26.2	22.0 - 30.4	
IPF (%)	21.5	17.4 - 25.6	21.6	17.5 - 25.7	21.4	17.3 - 25.5	

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